

TUFFSEAL™ – Dust-tight- Hosedown - Hazardous Location

Super Premium Seamless Die Formed Housing



Tunnels

FEATURES

- Molded seamless ballast housing
- Stainless or Aluzinc plated steel
- High pressure hosedown
- Tool less relamping
- Impact resistant lens
- Stainless steel hardware
- Optional low temperature starting

BENEFITS

- High corrosion resistance
- Easy maintenance
- Low dirt depreciation
- Resists abuse
- Durable construction
- Long service life
- Use anywhere

APPLICATIONS

- Tunnels
- Rail car inspection
- Chemical plants
- Paper mills
- Treatment plants
- Coastal areas
- Grain elevators

Specifications/Features

GENERAL

- Lower cost premium constructed wet or hazardous fixture
- Extremely long service life

CONSTRUCTION

- One piece, seam free molded housing
- Stainless steel or aluzinc plated steel housing
- Polyester powder RAL 9016 overcoat
- Aluzinc is 55% aluminum, 43% zinc and 1.6% silicone
- One M20 cable gland and one M20 blind plug in each end
- Hazardous location equipped with a ½” conduit and a blind plug in each end
- Stainless steel tool free lens clamps
- Continuous closed cell gasket seal lens to housing
- Suitable for through wiring
- Impact resistant, injection molded polycarbonate lens
- Low brightness lens sidewall reduce lamp glare

LISTINGS

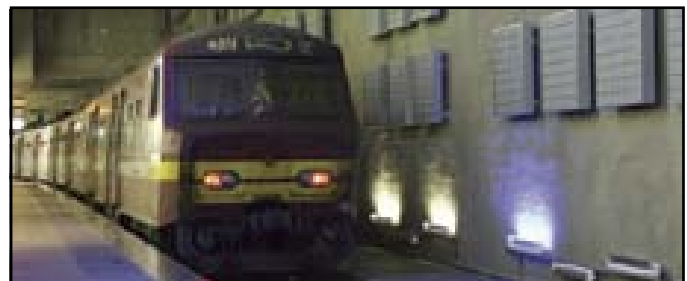
- CUL 1598 wet location
- Optional UL 844 Class1 Div 2 Groups A,B,C and D Class 2 Div 2 Group F & G, Class 3, Temp T3B
- IP 54 standard (protected from dust and splashing water)
- Optional IP67 (standard with hazardous listing)

ELECTRONIC BALLASTS

- Electronic instant start with internal fusing
- Consult factory for other ballasts and lamps



Grain Elevators



Rail Car Maintenance

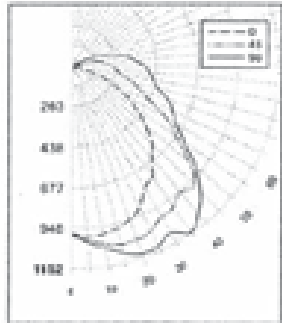


Chemical Plants

Photometrics

2 Lamp F32 T8
TS4SS-2F32-1

Ceiling Refl.	80%			50%			10%		
	50	30	10	50	30	10	50	30	10
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR	20% Effective Floor Cavity Reflectance								
0	83	83	.83	.76	.76	.76	.67	.67	.67
1	71	68	.65	.65	.62	.60	.57	.58	.54
2	62	57	.52	.58	.53	.49	.50	.47	.45
3	55	48	.44	.50	.45	.41	.44	.41	.38
4	48	42	.37	.44	.39	.35	.39	.36	.33
5	42	36	.31	.39	.34	.29	.35	.31	.28
6	38	31	.27	.35	.29	.25	.31	.27	.24
7	34	27	.23	.31	.26	.22	.28	.24	.21
8	30	24	.20	.28	.23	.19	.25	.21	.18
9	27	21	.17	.25	.20	.16	.22	.18	.15

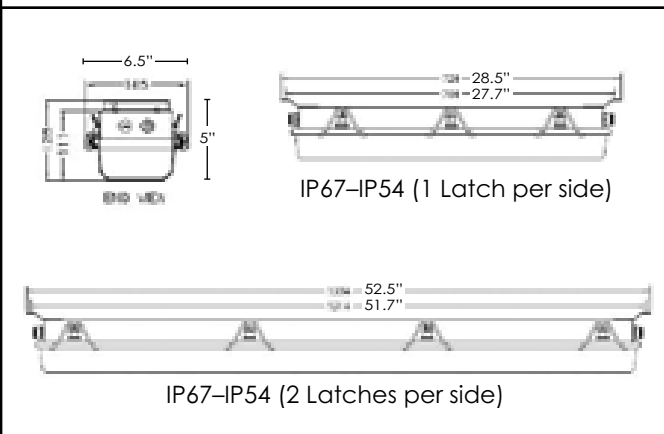


S/MH 1.7 Across
Lamp Lumens 6,000
Fixture Efficiency 71.4%



Smoke Stacks

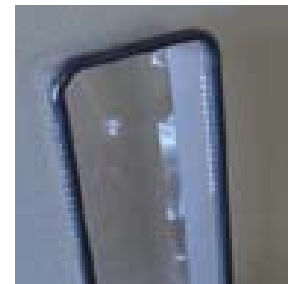
Dimensions



Treatment Plants



Molded one piece housing



Poured in place gasket

Tuffseal Catalog Numbers

TS	4	SS	2	F32	1
Length				Voltage	
2 - 2'				1 - 120 Volt	
4 - 4'				2 - 277 Volt	
				3 - 347 Volt	
Molded Housing Material				Lamps	
AZ - aluzinc plated steel				F17 - F17T8	
SS - Stainless Steel				F32 - F32T8	
				F54 - F54T5HO	
Number of Lamps					
2 - 2					
3 - 3 (na with HZ)					

Options

- "/HZ" - Class1 Div2, Class2 Div2, Class3 & IP67
- "/IP67" - temporary submersion and dust-tight
- "/BEF" - Internal 90 minute battery back-up (max amb.)
- "/0°F" - 0°F starting ballast
- "/HiLo" - high low electronic ballast (.30 or .88 ballast factor)*
- "/3HiLo" - high, medium, low electronic ballast (.30, .60, .88 ballast factor)*
- "/HBF" - High ballast factor ballast (1.2 ballast factor)*

- Notes:
1. Consult factory for other lamps, ballasts and low temperature starting
 2. Consult factory for other cable entry options
 3. Custom mounting brackets available-consult factory
 4. Aluzinc: 55% aluminum, 43% zinc, 1.6% silicone
 5. HiLo, 3HiLo na with HZ or 347 volt*
 6. HBF na with HZ*

Project Name:

Type	Catalogue Number	Comments